

ABSTRACT OF THE DISCLOSURE

A process for chemically treating a metallic part such as a part used in aerospace applications comprising providing a process tank capable of receiving at least one part; providing at least one part to the process tank; providing an alkaline first solution into the process tank from a first storage tank; providing the first solution from the process tank into a transition tank; providing water to the process tank; providing the first solution from the transition tank into the first storage tank; providing an acidic second solution into the process tank from a second storage tank; providing the second solution into the transition tank; providing water to the process tank; providing the second solution into the second storage tank; providing a third coating solution having a pH of about 1.0 to about 3.0 into the process tank from a third storage tank; providing the third solution into the transition tank; providing water to the process tank; and providing the third solution into the third storage tank.